

Claim 1c (originally 1d) includes a term, 'to the nth degree'. Black color records are selectively increased or decreased to the nth degree. The meaning of the term 'nth degree', is for the increase or decrease to be applied to varying degrees including 'not being applied'.

See page 9 line 34 of the specification as originally mailed;

'...should the ACB filter value for black not be reduced, a brighter anaglyph results,...'

Clarification that 'nth degree' includes the option of null application is also apparent in claim 1b and 1c as originally mailed.

See claim 1b lines 10-11 and claim 1c lines 18-19;

'...selective color filter treatments are applied to either individual color records or to the entire color record to the nth degree and if applied...'

Therefore (optionally) 'not being applied' is envisioned.

This is also described in the specification as originally mailed, where only the black color records are adjusted.

See the second paragraph of page 19;

'In one preferred embodiment of this invention, the ... filter is adjusting only the black color records.'

Claim the current claim 1d.

Claim 1d (originally 1f) also includes the term 'to the nth degree' to incorporate null application.

See line 14 of page 12 of the specification as originally mailed;

'Luminosity compression is 'not required' for a color wash via curves or levels output.'

Please note that line 14 of page 12 has prior been amended to read 'Luminosity compression is 'not essential'...'

Therefore, steps 1c and 1d are non-essential optional steps and are now placed as separate dependant claims 28 and 29. Could these be renumbered as claims 4 and 5?

This displaces subsequent claims by two numbers including their referenced claims.

Concerning current claims 1-5, refer to Item 1 on pages 7-15 of the original specification as mailed.

Claim 1e. after 'resulting in spectrally' insert, opposed and delete (opposite)

See specification as originally mailed, page 11 lines 10 '...placed inside spectrally opposed...' and line 32

'This results in two spectrally opposed anaglyphic color channels...'

Claim 1e. becomes step c.

1f. becomes step d.

1g. after 'composite image to' delete (maximize) and insert optimize.

See page 14 line 13 of the specification as originally filed; '...RGB levels 'optimizing' program...'

1g. becomes step e.

Claim 4a. after 'corresponding anaglyphic' insert, filters; and delete (filter means with spectral split;)

4b. after 'via common frequency' insert, anaglyphic

4c. after 'corresponding anaglyphic' insert, filters; and delete (filter means with spectral split;)

4d. after 'via common frequency' insert, anaglyphic

4e. after 'channels of' insert, monitor or projection

Claim 5a. after 'said anaglyphic record' delete (of fixed color channel orientation);

As it is already stated.

5c. after 'exposure or print of said' delete (anaglyphic record) and insert color channels

As is prior stated.

5d. after 'monitor or projection' delete (display) and insert, screen and

5e. after 'anaglyphic filter viewing' insert, gel. and delete (gels of opposing...said anaglyphic record;)

5f-h. In order to distinctly claim the invention, please delete non essential parts 5f, 5g and 5h.

Concerning current claims 6-8, refer to item 2 on pages 15-25 of the specification as originally mailed.

Claim 6. after 'production method where' delete (the)

after 'anaglyphic record' insert, produced and delete (of fixed color channel orientation)

As it is prior described in claim 1.

6a. delete the step listing ((a))

after 'image pair between' delete (the said) to restate the heading.

after 'a modulation' insert full stop.. and delete (rate)

after 'display orientations' insert, by essentially.

6b. delete non essential step b.

Claim 7. after 'Modulating anaglyphic color' delete (channel display) and insert channels

To recite the dependancy.

after 'may exhibit' insert, a monitor or projection screen display of;

This further limits the claim and qualifies the exhibit.

Claim 8. Cancel claim 8. Please replace claim 8 with new claim 30.

Concerning current claims 9-11, refer to Item 5 of the original specification as mailed, pages 25-26.

Claim 9. insert, anaglyphic and delete (Anaglyphic)

after 'color format on a printed' delete (surface) and insert, display medium where said medium may be integral with a horizontally oriented lenticular lens array,

9b. after 'horizontal zones that' delete (will)

after 'oriented lenticular lens of' delete (steps e, and f;) and insert, step e;

9d. after 'images onto' delete ((a)) and insert, said

9e. after 'securing' insert, the printed anaglyphic record of step d, under said and delete (a horizontally oriented)

after 'lenticular lens array' delete (over the display medium of step d, ...each lenticular lens)

delete ((:)) and insert a full stop..

As this is prior stated in step b.

9f. delete step 9f. As this is now stated in the preamble.

Claim 10. after 'anaglyphic images' insert, may

In keeping with exhibit claims 4, 7, 13, and 16 prior to the examiners amendment.

10b. after 'via common' insert, frequency anaglyphic filter; and delete (filter anaglyphic means;)

Claim 11. after 'display of' insert, printed

To recite the dependancy.

11b. delete (securable)

11d. after 'printing means of part c' insert, where said medium may be integral with said lenticular sheet;

As referred to in step 9f, and the amended preamble for claim 9.

11e. delete part 11e.

11f. Relable (11f.) as 11e.

After 'anaglyphic filter viewing' insert, gel, and delete (gels of single filter frequency that correspond to a selected anaglyphic color channel;)

11g. Delete part g.

Concerning claims 12-14, refer to pages 26-31 and 33-35 of the specification as originally mailed.

Claim 12. after 'Quadrascopic/anaglyphic' insert, image

To correspond to reference from claims 13 and 14.

after 'separate visual channels' delete (consisting of two separate still or motion anaglyphic records)

12b. after 'resulting in' insert, first and second and delete (two)

after 'pairs between' insert, the color channel orientations

12c. after 'interpolating' insert, first and second and delete (two)

after 'one image signal' insert, full stop.. and delete ((:))

12d. delete step 12d. A non essential step.

12e. delete step 12e. A non essential step.

Claim 13a. after 'within modulating anaglyphic' insert, color

after 'one image signal' insert, via via vertical visual parallax delivery and anaglyphic filter means;

13b. after 'exhibit a, via' insert refraction and To account for the lenticular array.

13c. after 'vertical parallax' delete (with spectral split) As it is then repeated in error.

after 'perceived via' insert, refraction and To account for the lenticular array.

after 'anaglyphic filter' insert, gel; and delete (~~gel with spectral split;~~)

13d. Include claim 13d. This replaces cancelled claim 16. Refer to pages 35-36 of the specification as originally mailed

Claim 14. Cancel claim 14. Please replace claim 14 with new claim 31.

Concerning current claims 15-17 refer to pages 35-36 of the specification as originally mailed.

Claim 15. Cancel claim 15. Please replace claim 15 with new claim 32.

Claim 16. Cancel claim 16. This is replaced with claim 13d.

Claim 17. after 'quadrascopic/anaglyphic image' insert, produced

after 'claimed in claim' insert, 15 and delete (16)

17a. before 'autostereoscopic' insert, said

- after 'quadrascopic/anaglyphic image;' delete, (as claimed in claim 16;) as it is already stated.
- 17b. after 'synchronizing signals' delete (and field differentiated signals...and of the modulation rate)
- 17c. after 'of part b, to' delete (synchronize a cycle of two or more frames and)
 after 'produce a' delete (synchronizing) and insert, synchronized
 after 'removal means of' insert, part d; and delete (parts d and e;)
- 17d. after 'an active' insert, or passive
 after 'one or more visual' insert, channels; and delete (channels, from the image signal for the reproduction and display means of part f;)
- 17e. Delete 17e.
- 17f. Reliable (17f.) as 17e.

Concerning current claims 18-20, refer to page 30 of the specification as originally mailed.
 Claim 18. cancel claim 18. Please replace claim 18 with new claim 33.

Claim 19. after 'broadcast that' insert, may exhibit; and delete (exhibits;)
 In keeping with exhibit claims 4, 7, 13, and 16.
 "may" is prior stated in line 1.

Further amendment of the claims is also requested as follows.

- Claim 20a. after 'quadrascopic/strobe' insert, produced
 after 'as claimed in claim' insert, 18; and delete ((19;))
 after 'said quadrascopic/strobe image;' delete, (that may be sent or ...received as broadcast;)
 Because it is already stated dependantly in the prior claim.
- 20b. after 'synchronizing' delete (signals and field differentiated signals from the quadrascopic/strobe program of part a, to determine the strobe rate and accordingly produce signals as representations synchronizing signals and of the strobe rate)
- 20c. after 'visual channelling' insert, of said image
- 20e. after 'said transmitted signals' delete (and to detect and re-generate said signals)
- 20f. after 'means for the' delete (determination and)
 after 'with said' delete (quadrascopic/strobe)
- 20g. after 'respond to the' delete (synchronizing voltage selection of) and insert trigger voltages
 As is stated in 20f.

Claim 21. cancel claim 21.

Concerning current claims 22-27, refer to item 6 on pages 31-33 of the specification as originally mailed.
 Claim 22. after 'being a' insert, computer and delete (scanner)

Claim 23. after 'being a' insert, computer and delete (scanner)
 after 'modulating anaglyphic' insert, color channel
 To recite the dependency.

Amendments to claims 24-27 are required because the examiner amendments of deleting:
 'as claimed in claim 22 having components'
 and inserting;
 'for the production of anaglyphic images, being a scanner...sourced input signals'
 does not account for the plurality of cameras, or a quadrascopic camera, or the plurality of stereo pairs prior inferred by the production method in these claims.

Claim 24. after 'being a' insert, computer and delete (scanner)
 after 'images or' delete (a)
 after 'stereoscopic' insert, cameras and delete (camera)
 after 'capture of' delete (an)
 after 'image' insert, pairs, and delete (pair,)
 after 'effect the printed' insert, anaglyphic/lenticular and delete (anaglyphic)
 To recite the dependency.

Claim 25. after 'being a' insert, computer and delete (scanner)
 after 'images or a' delete (stereoscopic) and insert, quadrascopic
 after 'capture of' delete (an)
 after 'image' delete (pair,) and insert, pairs,
 after 'quadrascopic/anaglyphic' insert, image

To recite the dependency of current amended claim 12.
after 'production' insert, method and delete (methods)

Claim 26. after 'being a' insert, computer and delete (scanner)
after 'images or a' insert, quadrascopic and delete (stereoscopic)
after 'capture of' delete (an)
after 'image' insert, pairs, and delete (pair,)
after 'that effect the' insert, autostereoscopic quadrascopic/anaglyphic and delete
(autostereoscopic/anaglyphic)
To recite the dependency.
after 'production' insert, method and delete (~~methods~~)

Claim 27. after 'being a' insert, computer and delete (scanner)
after 'images or a' insert, quadrascopic and delete (stereoscopic)
after 'capture of' delete (an)
after 'image' insert, pairs, and delete (pair,)
after 'production' insert, method and delete (~~methods~~)

New claim 28. Please renumber claim 28 as claim 4. ex claim 1c as addressed above.

New claim 29. Please renumber claim 29 as claim 5. ex claim 1d as addressed above.

Please renumber subsequent claims by two numbers including the numbers of their referenced claims.

Renumber claim 4 as 6.

Renumber claim 5 as 7 with reference to 6.

Renumber claim 6 as 8.

Renumber claim 7 as 9 with reference to 8.

Cancel claim 8.

Renumber claim 30 as 10 (replacing claim 8) with reference to 9.

Renumber claim 9 as 11.

Renumber claim 10 as 12 with reference to 11.

Renumber claim 11 as 13 with reference to 12.

Renumber claim 12 as 14.

Renumber claim 13 as 15 with reference to 14.

Cancel claim 14.

Renumber claim 31 as 16 (replacing claim 14) with reference to 14.

Cancel claim 15.

Renumber claim 32 as 17 (replacing claim 15) with reference to 14.

Cancel claim 16.

Renumber claim 17 as 18 with reference to 17.

Renumber claim 18 as 19 with reference to 14.

Renumber claim 19 as 20 with reference to 19.

Renumber claim 20 as 21 with reference to 20.

Cancel claim 21.

Claim 22 remains claim 22, with reference to claim 1.

Claim 23 remains claim 23, but now with reference to claim 8.

Claim 24 remains claim 24, but now with reference to claim 11.

Claim 25 remains claim 25, but now with reference to claim 14.

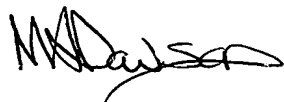
Claim 26 remains claim 26, but now with reference to claim 17.

Claim 27 remains claim 27, but now with reference to claim 19.

Status identifiers: for claims as originally filed.
Claims 1-25 (cancelled)

Status identifiers: for new claims filed 14 Jan 05 and renumbered 1-27 for issue by the examiner.
Claims 1-27 (new)

Status identifiers for the currently amended claims are included with an enclosed clean copy of amended claims, renumbered as above.

A handwritten signature in black ink, appearing to read 'Mark Dawson', with a stylized, cursive script.

Mark Dawson.

Claim 1 (currently amended)

Anaglyphic production method for anaglyphic record of fixed color channel orientation, still or motion, image or text, in color format by either digital or non-digital means in whole or in part, where the processes effected to said images may be applied in a single sweep, including steps of;

- a. isolating two separate records of image or text and or synchronizing the images of a stereo pair to achieve an image pair that consists of a first image or images and a second image or images;
- b. effecting selective color filter treatments to the color records of the first and second images of step a, to enable contrasts from the whole spectrum to be perceived anaglyphically from within the part spectrums of assigned anaglyphic color channel saturations effected below and enable perception of an anaglyphically viewed contrast balance between the said image pair;
- c. ~~effecting selective control for increasing the overall brightness by selectively increasing the saturation of the black color records of the image pair to the nth degree and effecting selective control for decreasing the overall brightness by selectively decreasing the saturation of the black color records of the image pair to the nth degree;~~
- d. ~~effecting a compression of the luminosity of the image pair to the nth degree;~~
- ((e)) c. effecting a first anaglyphic color channel saturation applied to the said first image or images and effecting second and third anaglyphic color channel saturations to the said second image or images resulting in spectrally opposed ~~opposite~~ anaglyphic color channel saturations;
- ((f)) d. blending the said image pair as a single record so as to reveal equal representations of the said image pair in a resulting composite image;
- ((g)) e. contrast expansion of the said composite image to optimize ~~maximize~~ contrasts of the anaglyphic color channels contained therein.

Claim 2 (previously presented)

Anaglyphic production method as claimed in claim 1 where the said selective color filter treatments are applied either to individual color records or to the entire color records to the nth degree.

Claim 3 (previously presented)

Anaglyphic production method as claimed in claim 1, where the color records of both or either of the said image pair are de-saturated to the nth degree instead of the said selective color filter treatments.

Claim 4 (currently amended)

Anaglyphic record of fixed color channel orientation produced in accordance with the anaglyphic production method of claim 1, that may be sent or received on-line, stored and reproduced from a recording medium and be sent or received as broadcast that may exhibit;

- a. printed image perceived stereoscopically as three-dimensional and being monochromatic or colored image with balanced contrasts from the whole color spectrum within each anaglyphic

- color channel via color corresponding anaglyphic filters; ~~filter means with spectral split;~~
- b. individual color channels of printed exhibit a, being unrelated or interrelated perceived as two-dimensional and monochromatic with contrasts from the whole color spectrum via common frequency anaglyphic filter;
 - c. monitor or projection display of still or motion anaglyphic record perceived stereoscopically as three-dimensional and being monochromatic or colored image with balanced contrasts from the whole color spectrum within each anaglyphic color channel via color corresponding anaglyphic filters; ~~filter means with spectral split;~~
 - d. individual color channels of monitor or projection exhibit c, being unrelated or interrelated perceived as two-dimensional and monochromatic with contrasts from the whole color spectrum via common frequency anaglyphic filter;
 - e. individual color channels of monitor or projection exhibit c, perceived unaided as two-dimensional with balanced contrasts from the whole color spectrum via active or passive selective color record removal means.

Claim 5 (currently amended)

Apparatus for the display of anaglyphic record of fixed color channel orientation as claimed in claim 4, the apparatus comprising;

- a. said anaglyphic record; ~~of fixed color channel orientation;~~
- b. a printing means of color format for the reproduction of said fixed color channels as printed display;
- c. a display medium on which to receive an exposure or print of said ~~anaglyphic record~~ color channels from said printing means;
- d. a monitor or projection display screen of color format for the display of said anaglyphic record;
- e. anaglyphic filter viewing gel; ~~gels of opposing spectral frequencies and of fixed viewing orientation that correspond to the color channels of said anaglyphic record;~~
- ~~f. anaglyphic filter viewing gel of common frequency and of neutral viewing orientation that enable the selective and passive transmission of said fixed color channels;~~
- ~~g. an active selective color record removal means that actively removes color from the anaglyphic record displayed on part d, to enable unaided two dimensional monochromatic perception of selected color channels;~~
- ~~h. a passive selective color record removal means consisting of an anaglyphic filter element that covers or is integral with part d, to effect passive color removal of a fixed color channel to enable unaided two dimensional monochromatic perception of selected color channels;~~

Claim 6 (currently amended)

Modulating anaglyphic color channel production method where the anaglyphic record produced of fixed color ~~channel orientation~~ as claimed in claim 1, modulates between anaglyphic display orientations by essentially, including steps of;

- ~~a.~~ alternating or switching the said image pair between ~~the said anaglyphic~~ display orientations in a cycle to establish a modulation. rate ((;))
- ~~b.~~ ~~effecting the application of index or synchronizing signals or pulses to the incidence of said modulation,~~
- ~~alternation or switching at a consistent frequency.~~

Claim 7 (currently amended)

Modulating anaglyphic color ~~channels~~ ~~channel display~~ produced as claimed in claim 6 that may be sent or received on-line, stored and reproduced from a recording medium and be sent or received as broadcast, that may exhibit a monitor or projection screen display of:

- a. still or motion interrelated image or text perceived stereoscopically as three-dimensional with balanced contrasts from the whole color spectrum either as monochromatic or as full color record simultaneously and continuously by both eyes from a multiplex of color image planes contained in modulating anaglyphic color channels via synchronized and color corresponding electro-optic/anaglyphic means;
- b. still or motion image from either visual channel of still or motion exhibit a, being unrelated or interrelated perceived unaided as two-dimensional with contrasts from the whole color spectrum either as monochromatic or as full color record simultaneously and continuously by both eyes from a multiplex of color image planes contained in a modulating anaglyphic color channel via active or passive modulating color record removal synchronous with a selected modulating color channel.

Claim 8 (cancelled)

Apparatus for the display of modulating anaglyphic color channels as claimed in claim 7,
the apparatus comprising;

- a. said modulating anaglyphic color channel display;
- b. a first power supply enabling a signal detection means for the detection of synchronizing signals and field differentiated signals from the modulating program of part a, to differentiate between frames and to determine the programs modulation rate and accordingly produce signals as representations of synchronizing signals and of the modulation rate for the transmission means of part g, and for the color removal means of part c, and the switching logic means of part e;
- c. a color removal means that responds to the signal detection means of part b, for a conversion from a modulation of two anaglyphic display orientations to a modulation of more than two anaglyphic display orientations by effecting a selective and active removal of color saturations from the modulating anaglyphic record of part a, in a cycle of consistent frequency;
- d. in conjunction with part c, a selective color luminance reducing means effecting a sustained reduction of brightness or output level of luminosity of a color saturation proportionate to it's relative over-inclusion in a modulating cycle of color channels;
- e. a switching logic means that responds to the signal detection means of part b, to synchronise a cycle of two or more frames and produce a synchronising voltage selection for the modulating color record removal means of parts l and m;
- f. a reproduction and display monitor, screen or projection means of color format for the reproduction and display of said modulating anaglyphic color channels;
- g. a transmission means for the transmission of signals representing synchronizing signals and signals representing the modulation rate from the signal detection means of part b, to a receiving means of part h, incorporated with electro-optic/anaglyphic viewing filters of parts j and k;
- h. a second power supply enabling a receiving means to receive a transmitted signal from said transmission means and to detect and re- generate signals representing synchronizing signals and signals representing the modulation rate for their delivery to a switching logic means of part i;

- i. a switching logic means, that responds to said signals from the receiving means of part h, that synchronises a cycle of two or more frames and selects trigger voltages for the synchronisation of electro-optic/anaglyphic filter presentations of parts j, and k, with said modulating anaglyphic color channel display;
- j. electro-optic/anaglyphic filters consisting of a pair of electro-optic light modulating filter elements that respond to the synchronizing voltage selection of switching logic of part i, and present transitions between two filter presentations of anaglyphically opposing hues that together allow the transmission of three color saturations with a transmission of a first color saturation through one filter and a transmission of second and third color saturations through the opposing filter;
- k. electro-optic/anaglyphic filters consisting of a pair of electro-optic light modulating filter elements that respond to the synchronizing voltage selection of switching logic of part i, and present transitions between more than two filter presentations of anaglyphically opposed hues;
- l. a modulating active color record removal means that responds to the synchronising voltage selection of switching logic of part e, to effect a modulating cycle of active color removal synchronous with either selected modulating anaglyphic color channel to isolate an opposing modulating anaglyphic color channel for unaided two-dimensional perception;
- m. a modulating passive color record removal means consisting of an electro-optic/anaglyphic filter element that covers or is integral with the monitor or screen display of part f, that responds to the synchronising voltage selection of switching logic of part e, to effect a modulating cycle of passive color removal synchronous with either selected modulating anaglyphic color channel to isolate an opposing modulating anaglyphic color channel for unaided two-dimensional perception;

Claim 9 (currently amended)

Printed anaglyphic/lenticular production method, manual or automated, for the production of multiple concurrent and interactive still or motion anaglyphic visual channels in color format on a printed surface display medium where said medium may be integral with a horizontally oriented lenticular lens array, including steps of;

- a. anaglyphic Anaglyphic production method as claimed in claim 1, applied to multiple image pairs resulting in multiple anaglyphic images of fixed viewing orientation;
- b. horizontally interpolating the anaglyphic images of step a, at a frequency such that the interpolated representations of each of the anaglyphic images are specific to horizontal zones that will fit under each corresponding horizontally oriented lenticular lens of ~~steps e, and f,~~ step e;
- c. delivering the interpolated anaglyphic images of step b, to a printing means of step d;
- d. printing the said interpolated anaglyphic images onto ((a)) said display medium as printed anaglyphic record;
- e. securing the printed anaglyphic record of step d, under said a horizontally oriented lenticular lens array. ~~over the display medium of step d, so that interpolated anaglyphic image representations specific to each horizontal zone fit under each lenticular lens;~~
- ~~f. horizontally inverting the interpolated anaglyphic images of step c, for where the display medium of step d, is integral with under surface of the horizontally oriented lenticular lens array of step e.~~

Claim 10 (currently amended)

Printed anaglyphic/lenticular image display produced in accordance with the production methods as

claimed in claim 9, that may be sent or received on-line and stored and reproduced from a recording medium where the anaglyphic images may exhibit;

- a. multiple records of unrelated image or text perceived two-dimensionally with contrasts from the whole spectrum from within either anaglyphic color channel via common filter anaglyphic means;
- b. multiple records of interrelated image or text specific to each color channel displaying two concurrent two-dimensional records of motion perceived with contrasts from the whole spectrum via common frequency anaglyphic filter; ~~filter anaglyphic means~~;
- c. multiple unrelated stereoscopic views perceived horizontally vertically or diagonally as monochromatic or as colored images with balanced contrasts from the whole color spectrum from both anaglyphic color channels via color corresponding anaglyphic filters;
- d. multiple interrelated stereoscopic views of concurrent horizontal, vertical and diagonal parallax and motion perceived as monochromatic or as colored images with balanced contrasts from the whole spectrum from both anaglyphic color channels via color corresponding anaglyphic filters.

Claim 11 (currently amended)

Apparatus for the display of printed anaglyphic/lenticular images as claimed in claim 10, the apparatus comprising of;

- a. said anaglyphic/lenticular images;
- b. ~~securable~~ lenticular sheet consisting of an array of lenticular lenses of suitable pitch or frequency that enable an interactive visual channelling of said images, from a display medium of part d, contiguous with it's underside, via refraction;
- c. a printing means, of color format for the reproduction of anaglyphic color channels;
- d. a display medium on which to receive said images from the printing means of part c where said medium may be integral with said lenticular sheet;
- ~~e. a display medium integral with the lenticular sheet of part b, on which to receive an exposure of said images from the printing means of part c;~~
- ~~e. ((f.)) anaglyphic filter viewing gel. gels of single filter frequency that correspond to a selected anaglyphic color channel;~~
- ~~g. anaglyphic filter viewing gels of fixed viewing orientation and of opposing spectral frequencies that correspond to the color channels of said anaglyphic/lenticular images.~~

Claim 12 (currently amended)

Quadrascopic/anaglyphic image production method for fixed or modulating color channel display, digital or non digital in whole or in part, for the concurrent and interactive display of four separate visual channels ~~consisting of two separate still or motion anaglyphic records~~ of image or text from one image signal, comprising steps of;

- a. isolating two image pairs being either unrelated or interrelated;
- b. modulating a the two image pairs between the color channel orientations an anaglyphic production method at any rate selected including no modulation, resulting in first and second ~~two~~ anaglyphic records;
- c. interpolating the first and second ~~two~~ anaglyphic records of step b, into one image signal. ((:))
- ~~d. displaying the image signal of step c, on a reproduction and display means of color format that delivers vertical visual parallax to effect an upper and lower visual channelling of the said anaglyphic records;~~

~~e. delivery of horizontally inverted interpolated record of step c, to a printing means.~~

Claim 13 (currently amended)

Quadrascopic/anaglyphic image display produced as claimed in claim 12 that may be sent or received on-line, stored and reproduced from a recording medium and sent and received as broadcast, that may exhibit;

- a. monitor or projection screen display of four separate visual channels being anaglyphic record of image or text that may be unrelated or interrelated in whole or in part across horizontal, vertical and diagonal image pair combinations where also combinations of still and motion record and combinations of two and three-dimensional record and combinations of monochromatic and full color record and combinations of modulation rate all interrelate, including the full color perception to both eyes simultaneously of concurrent horizontal, vertical and diagonal parallax and motion from a multiplex of color image planes contained within modulating anaglyphic color channels with balanced contrasts from the whole spectrum from one image signal via vertical visual parallax delivery and anaglyphic filter means:
- b. an unaided two-dimensional monochromatic or full colored interactive choice of two visual channels from each modulating anaglyphic channel of monitor or projection screen display exhibit a, via refraction and active or passive modulating color record removal synchronous with a selected modulating color channel;
- c. printed display of four separate visual channels of anaglyphic record of image or text that may be unrelated or interrelated in whole or in part across configurations between horizontal, vertical and diagonal image pairs and also combinations of two and three-dimensional record and combinations of monochromatic and color record including, color perception of concurrent horizontal, diagonal and vertical parallax ~~with spectral split~~ perceived via refraction and color corresponding anaglyphic filter gel; gel
~~with spectral split;~~
- d. the choice between two concurrent and interrelated autostereoscopic programs of horizontal and vertical parallax and motion from one image signal perceived in full color to both eyes simultaneously from a multiplex of color image planes contained within remnant modulating anaglyphic color channels via horizontal visual parallax delivery and active or passive modulating color record removal synchronous with a selected modulating anaglyphic color channel.

Claim 14 (cancelled)

Apparatus for the display of quadrascopic/anaglyphic image as claimed in claim 13, the apparatus comprising of;

- a. Quadrascopic/anaglyphic image that may be sent or received on-line, stored and reproduced from a recording medium and be sent or received as broadcast;
- b. a first power supply means enabling a signal detection means for the detection of synchronizing signals and field differentiated signals from the intercepted modulating program of part a, to differentiate between frames and determine the programs modulation rate and accordingly produce signals as representations of synchronizing signals and of the modulation rate for transmission part g, and for the active color removal means of part c, and the switching logic means of part e;
- c. an active color removal means that responds to the signal detection means of part b, for a conversion from a mode of modulation of two anaglyphic display orientations to a mode of modulation of more than two anaglyphic display orientations by effecting a selective and alternate active removal of color records

from the intercepted modulating anaglyphic record of part a, in a cycle of consistent frequency;

- d. in conjunction with part c, a selective color luminance reducing means effecting a sustained reduction of brightness or output level of luminosity of a color record proportionate to it's relative over-inclusion in a cycle of modulating color channel orientations;
- e. a switching logic means that responds to the signal detection means of part b, to synchronize a cycle of two or more frames and produce a synchronizing voltage selection for the modulating color record removal means of parts l and m;
- f. a reproduction and display means of color format that delivers vertical parallax to effect an upper and lower visual channelling;
- g. a transmission means for the transmission of signals representing the index or other such synchronizing signals and signals representing the modulation rate to a receiving means incorporated with electro-optic/anaglyphic viewing filters of parts j or k;
- h. a second power supply means enabling a receiving means to receive said transmitted signals and to detect and re-generate signals representing the index or other such synchronizing signals and signals representing the modulation rate for their delivery to a switching logic means of part i;
- i. a second switching logic means that responds to synchronizing signals and signals representing the modulation rate from the receiving means of part h, that synchronizes a cycle of two or more frames and selects trigger voltages for the synchronization of electro- optic/anaglyphic filter presentations of parts j or k with modulating quadrascopic/anaglyphic image displays;
- j. electro-optic/anaglyphic filters consisting of a pair of electro-optic light modulating filter elements that respond to the synchronizing voltage selection of switching logic of part i and present transitions between two filter presentations of anaglyphically opposing hues that together allow the transmission of three color saturations with a transmission of a first color saturation through one filter and a transmission of second and third color saturations through the opposing filter and;
- k. electro-optic/anaglyphic filters consisting of a pair of electro-optic light modulating filter elements that respond to the synchronizing voltage selection of switching logic of part i, and present transitions between more than two filter presentations of anaglyphically opposed hues;
- l. a passive selective color record removal means consisting of an anaglyphic filter element that covers or is integral with part b, that may modulate to effect passive removal of an anaglyphic color channel to isolate an opposing channel for an unaided two-dimensional interactive viewing choice between its two visual channels;
- m. an active selective color record removal means that responds to the switching logic of part e, that may modulate to effect an active removal of an anaglyphic color channel to isolate an opposing channel for an unaided two-dimensional interactive viewing choice between its two visual channels;
- n. a printing means, of color format for the reproduction of two anaglyphic color channels representing said quadrascopic/anaglyphic images displayed under a display medium of part o;
- o. a display medium on which to receive a print or exposure of said color channels from said printing means where such display medium is integral lenticular sheet;
- p. anaglyphic filter viewing gels of opposing spectral frequencies and of fixed viewing orientation that correspond to anaglyphic color channel displays of parts f, or o;
- q. anaglyphic filter gel of common filter frequency that corresponds to an anaglyphic color channel display of parts f, or o.

Claim 15 (cancelled)

Autostereoscopic quadrascopic/anaglyphic production method, digital or non digital in whole or in part, for a selectable choice between two autostereoscopic programs of fixed or modulating color channel display from one image signal, comprising steps of;

- a. the quadrascopic/anaglyphic production method as claimed in claim 12 where the two originating image pairs consist of two left views for a first anaglyphic record and two right views for a second anaglyphic record;
- b. effecting a selective active or passive color record removal from the said anaglyphic records to enable an autostereoscopic perception of remnant color records from a display means of step c;
- c. displaying the said remnant color records onto a color reproduction and display means that delivers horizontal visual parallax to effect left and right visual channelling.

Claim 16 (cancelled)

Autostereoscopic quadrascopic/anaglyphic image of fixed or modulating color channel display produced as claimed in claim 15 that may be sent or received on-line, stored and reproduced from a recording medium and sent and received as broadcast that exhibits;

- a. a switch-able choice between two separate autostereoscopic visual channels of anaglyphic record that may be unrelated or interrelated where also combinations of selected color record removal and selective modulating color record removal and combinations of two and three-dimensional record and combinations of still and motion record and combinations of monochromatic and full color record and combinations of modulating display rates all interrelate, including the selectable choice between two concurrent and interrelated autostereoscopic programs of horizontal and vertical parallax and motion from one image signal perceived in full color to both eyes simultaneously from a multiplex of color image planes contained within remnant modulating anaglyphic color channels via horizontal visual parallax delivery and active or passive modulating color record removal synchronous with a selected modulating anaglyphic color channel.

Claim 17 (currently amended)

Apparatus for the display of autostereoscopic quadrascopic/anaglyphic image produced as claimed in claim 15 ~~16~~ comprising of;

- a. said autostereoscopic quadrascopic/anaglyphic image; ~~as claimed in claim 16;~~
- b. a first power supply means enabling a signal detection means for the detection of synchronizing signals ~~and field differentiated signals from the intercepted program of part a, to determine the programs modulation rate and accordingly produce signals as representations of synchronizing signals and of the modulation rate~~ for a switching logic means of part c;
- c. a switching logic means that responds to the signal detection means of part b, to ~~synchronize a cycle of two or more frames and produce a synchronizing~~ synchronized voltage selection for the color record removal means of part d; ~~parts d and e;~~
- d. an active or passive color record removal means that responds to the switching logic of part c, to remove a color record or a modulating cycle of color records that correspond to and synchronize with a selected

color channel or cycle of modulating anaglyphic color channels, that contain one or more visual channels; ~~channels, from the image signal for the reproduction and display means of part f;~~

~~e. a passive color record removal means consisting of a modulating electro-optic/anaglyphic filter element that covers or is integral with the reproduction and display means of part f, and responds to the synchronizing voltage selection of switching logic of part e, to effect a passive color removal or a cycle of modulating passive color removal that correspond to and synchronize with a selected color channel or a cycle of modulating anaglyphic color channels displayed on the reproduction and display means of part f;~~

e. ((f.)) a reproduction and display monitor, screen or projection means of color format that delivers horizontal visual parallax to effect left and right visual channelling.

Claim 18 (cancelled)

Quadrascopic/strobe production method, digital or non digital in whole or in part, for still or motion display of four visual channels where the anaglyphic production of claim 12, is bypassed resulting in a sequential strobe of two left and two right images, including steps of;

- a. isolating two image pairs as a left image pair and a right image pair;
- b. field interpolating together a left image pair of step a, to result in a left interpolated record;
- b. field interpolating together a right image pair of step a, to result in a right interpolated record;
- c. frame interpolating the left interpolated record of step b, with the right interpolated record of step c;
- ~~e.~~ effecting the application of index or synchronizing signals or pulses to the incidence of said interpolation or switching at a consistent frequency;
- f. displaying the resulting quadrascopic strobe image on a reproduction and display monitor screen or projection means that delivers vertical parallax so as to effect an upper and lower visual channelling of the said images.

Claim 19 (currently amended)

Quadrascopic/Strobe image display produced as claimed in claim 18 that may be sent or received on-line, stored and reproduced from a recording medium and be sent or received as broadcast that may exhibit; ~~exhibits~~;

an interactive choice between four separate visual channels of image or text that may be unrelated or interrelated in whole or in part across horizontal, vertical and diagonal image pair combinations and where also combinations of two and three-dimensional record and combinations of still and motion record and combinations of monochromatic and full color record and combinations of modulation rates all interrelate, including the interactive choice between two concurrent and interrelated stereoscopic programs of horizontal, vertical and diagonal parallax and motion from one image signal perceived in full color to both eyes from an alternating left- right sequential strobe display via vertical visual parallax delivery and synchronous electro-optic/shutter glasses.

Claim 20 (currently amended)

Apparatus for the display of quadrascopic/strobe produced as claimed in claim 18; ((19;))

- a. said quadrascopic/strobe image; ~~that may be sent or received on-line, stored and reproduced from a recording medium and be sent or received as broadcast;~~

- b. a first power supply means enabling a signal detection means for the detection of synchronizing signals ~~and field-differentiated signals from the quadrascopic/strobe program of part a, to determine the strobe rate and accordingly produce signals as representations synchronizing signals and of the strobe rate for transmission part d;~~
- c. a reproduction and display monitor screen or projection means that delivers vertical parallax so as to effect an upper and lower visual channelling of said image;
- d. a transmission means for the transmission of said signals to a receiving means incorporated with electro-optic/shutters of part g;
- e. a second power supply means enabling a receiving means to receive said transmitted signals ~~and to detect and re-generate said signals for their delivery to a switching logic means of part f;~~
- f. a switching logic means for the ~~determination and~~ selection of trigger voltages for the synchronization of electro-optic/shutter presentations of part g, with said ~~quadrascopic/strobe~~ image displayed on part c;
- g. electro-optic/shutter glasses consisting of a pair of electro-optic light valve elements that respond to the ~~synchronizing voltage selection~~ trigger voltages of switching logic of step f and present alternations between open and shut states so that at any instant one light valve is open for view and the other light valve is shut for view.

Claim 21 (cancelled)

Anaglyphic isolation method for the isolation of a modulating anaglyphic color channel produced as claimed in claim 6 that contain one or more visual channels, by means of;

- a. selectively removing by active or passive means, a color record or a modulating cycle of color records that correspond to and synchronize with a selected anaglyphic color channel or cycle of modulating anaglyphic color channels, to isolate one or more visual channels;
- b. displaying the isolated visual channel of step a, on a reproduction and display means of color format for unaided viewing.

Claim 22 (currently amended)

An image isolation means, for the production of anaglyphic images, being a computer scanner or digitiser of images or a stereoscopic camera for still or motion capture of an image pair, having software processing or integrated circuitry components that may also processes externally sourced input signals that effect the anaglyphic production method as claimed in claim 1.

Claim 23 (currently amended)

An image isolation means, for the production of anaglyphic images, being a computer scanner or digitiser of images or a stereoscopic camera for still or motion capture of an image pair, having software processing or integrated circuitry components that may also processes externally sourced input signals that effect the modulating anaglyphic color channel production method as claimed in claim 6.

Claim 24 (currently amended)

An image isolation means, for the production of anaglyphic images, being a computer scanner or digitiser of images or ((a)) stereoscopic cameras ~~camera~~ for still or motion capture of ((an)) image pairs, ~~pair~~, having software processing or integrated circuitry components that may also processes externally

sourced input signals that effect the printed anaglyphic/lenticular anaglyphic production method as claimed in claim 9.

Claim 25 (currently amended)

An image isolation means, for the production of anaglyphic images, being a computer scanner or digitiser of images or a quadrascopic stereoscopic camera for still or motion capture of ((an)) image pairs, pair, having software processing or integrated circuitry components that may also processes externally sourced input signals that effect the quadrascopic/anaglyphic image production method methods as claimed in claim 12.

Claim 26 (currently amended)

An image isolation means, for the production of anaglyphic images, being a computer scanner or digitiser of images or a quadrascopic stereoscopic camera for still or motion capture of ((an)) image pair, pairs, having software processing or integrated circuitry components that may also processes externally sourced input signals that effect the autostereoscopic quadrascopic/anaglyphic autostereoscopic/anaglyphic production method methods as claimed in claim 15.

Claim 27 (currently amended)

An image isolation means, for the production of anaglyphic images, being a computer scanner or digitiser of images or a quadrascopic stereoscopic camera for still or motion capture of ((an)) image pairs, pair, having software processing or integrated circuitry components that may also processes externally sourced input signals that effect the quadrascopic/strobe production method methods as claimed in claim 18.

Claim 28 (new)

Anaglyphic production method as claimed in claim 1 where control of increasing the overall brightness is effected by selectively increasing the saturation of the black color records of the image pair to the nth degree and control for decreasing the overall brightness is effected by selectively decreasing the saturation of the black color records of the image pair to the nth degree.

Claim 29 (new)

Anaglyphic production method as claimed in claim 1, where luminosity compression is applied to the said image pair to the nth degree.

Claim 30 (new)

Apparatus for the display of modulating anaglyphic color channels as claimed in claim 7,
the apparatus comprising;

- a. said modulating anaglyphic color channels;
- b. a first power supply enabling a signal detection means for the detection of synchronizing signals from part a, for the transmission means of part e, and the switching logic means of part c;
- c. a switching logic means that responds to the signal detection means of part b, to produce a synchronized voltage selection for the modulating color record removal means of part i;
- d. a reproduction and display monitor, screen or projection means of color format for the reproduction and display of said modulating anaglyphic color channels;

- e. a transmission means for the transmission of signals representing synchronizing signals to a receiving means of part f, incorporated with electro-optic/anaglyphic viewing filters of part h;
- f. a second power supply enabling a receiving means to receive said transmitted signals from said transmission means for delivery to a switching logic means of part g;
- g. a second switching logic means, that responds to said signals from the receiving means of part f, that selects trigger voltages for the synchronisation of electro-optic/anaglyphic filter presentations of part h, with said modulating anaglyphic color channels;
- h. electro-optic/anaglyphic filters consisting of a pair of electro-optic color modulating filter elements that respond to the switching logic of part g, and present transitions between anaglyphically opposing hues;
- i. an active or passive modulating color record removal means that effects a modulating cycle of color removal synchronous with either selected modulating anaglyphic color channel to isolate an opposing modulating anaglyphic color channel for unaided two-dimensional perception.

Claim 31 (new)

Apparatus for the display of quadrascopic/anaglyphic image produced as claimed in claim 12, the apparatus comprising of;

- a. said quadrascopic/anaglyphic image;
- b. a first power supply enabling a signal detection means for the detection of synchronizing signals from part a, for the transmission means of part d;
- c. a reproduction and display means of color format that delivers visual parallax to effect visual channelling;
- d. a transmission means for the transmission of synchronizing signals to a receiving means of part e, incorporated with electro-optic/anaglyphic viewing filters of part g;
- e. a second power supply enabling a receiving means to receive said transmitted signals for delivery to a switching logic means of part f;
- f. a switching logic means that responds to signals from the receiving means of part e, that selects trigger voltages for the synchronization of electro-optic/anaglyphic filter presentations of part g, with said quadrascopic/anaglyphic image;
- g. anaglyphic filter means that may consist of a pair of electro-optic color modulating filter elements that respond to the switching logic of part f, and present transitions between anaglyphically opposing hues.

Claim 32 (new)

Autostereoscopic quadrascopic/anaglyphic production method, for a choice between two autostereoscopic programs of fixed or modulating color channel display from one image signal, comprising steps of;

- a. effecting the quadrascopic/anaglyphic image production method as claimed in claim 12, where said two image pairs consist of two left views resulting in a first anaglyphic record and two right views resulting in a second anaglyphic record;
- b. interpolating the first and second anaglyphic records of step a, into one image signal;
- c. displaying the said image signal onto a color reproduction and display means that delivers horizontal visual parallax to effect left and right visual channelling of the said anaglyphic records;
- d. effecting a selective active or passive color record removal from the said anaglyphic records to enable an autostereoscopic perception of remnant color records from the image display of step c.

Claim 33 (new)

Quadrascopic/strobe production method, for still or motion display of four visual channels where the anaglyphic production of the Quadrascopic/anaglyphic image production method of claim 12, is bypassed resulting in a sequential strobe of two left and two right images, including steps of;

- a. isolating two left images as a left image pair and two right images as a right image pair;
- b. interpolating a field rate selection of two left and then two right images from said left and right image pairs.